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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/705,035	11/02/2000	Haruo Oba	112857-265	6839	
29175 75	590 09/24/2004		EXAM	EXAMINER	
BELL, BOYD & LLOYD, LLC P. O. BOX 1135			MICHALSKI, JUSTIN I		
CHICAGO, IL	=		ART UNIT	PAPER NUMBER	
,			2644		
			DATE MAILED: 09/24/200	DATE MAILED: 09/24/2004	

Please find below and/or attached an Office communication concerning this application or proceeding.



. ,,		Application No.	Applicant(s)	9			
Office Action Summary		09/705,035	OBA ET AL.				
		Examiner	Art Unit				
		Justin Michalski	2644				
Period fo	The MAILING DATE of this communicat or Reply	tion appears on the cover sheet wi	th the correspondence addre	ss			
THE - Exte after - If the - If NC - Failt Any	ORTENED STATUTORY PERIOD FOR MAILING DATE OF THIS COMMUNICA nasions of time may be available under the provisions of 3i SIX (6) MONTHS from the mailing date of this communic period for reply specified above, the maximum statuto are to reply within the set or extended period for reply will, reply received by the Office later than three months after the patent term adjustment. See 37 CFR 1.704(b).	TION. 7 CFR 1.136(a). In no event, however, may a relation. ays, a reply within the statutory minimum of third ry period will apply and will expire SIX (6) MON by statute, cause the application to become AE	eply be timely filed by (30) days will be considered timely. THS from the mailing date of this comm BANDONED (35 U.S.C. § 133).	unication.			
Status							
1)⊠	Responsive to communication(s) filed of	on <i>11 August 0204</i> .					
·	Pa) This action is FINAL . 2b) This action is non-final.						
3)□	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Disposit	ion of Claims						
5)□ 6)⊠ 7)□	Claim(s) 1-8 and 10-12 is/are pending is 4a) Of the above claim(s) is/are valued. Claim(s) is/are allowed. Claim(s) 1-8 and 10-12 is/are rejected. Claim(s) is/are objected to. Claim(s) are subject to restriction	withdrawn from consideration.					
Applicat	ion Papers						
9)[The specification is objected to by the E	xaminer.					
10)	The drawing(s) filed on is/are: a						
	Applicant may not request that any objection						
11)	Replacement drawing sheet(s) including the The oath or declaration is objected to be						
Priority	under 35 U.S.C. § 119						
a)	Acknowledgment is made of a claim for All b) Some * c) None of: 1. Certified copies of the priority do 2. Certified copies of the priority do 3. Copies of the certified copies of the application from the International See the attached detailed Office action for the application from the International See the attached detailed Office action for the International See the attached detailed Office action for the International See the attached detailed Office action for the International See the attached detailed Office action for the International See the attached detailed Office action for the International See the attached detailed Office action for the International See the attached detailed Office action for the International See the attached detailed Office action for the International See the attached detailed Office action for the International See the attached detailed Office action for the International See the attached detailed Office action for the International See the attached detailed Office action for the International See the attached detailed Office action for the International See the attached detailed Office action for the International See the attached detailed Office action for the International See the Internationa	cuments have been received. cuments have been received in A the priority documents have beer I Bureau (PCT Rule 17.2(a)).	Application No I received in this National Sta	age			
2) Noti 3) Info	nt(s) ce of References Cited (PTO-892) ce of Draftsperson's Patent Drawing Review (PTO rmation Disclosure Statement(s) (PTO-1449 or PT er No(s)/Mail Date	-948) Paper No(Summary (PTO-413) s)/Mail Date Informal Patent Application (PTO-19 	52)			

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DETAILED ACTION

Claim Objections

1. Claim 7 is objected to because of the following informalities: Claim 7, an apparatus claim, contains the verbs "receives" in line 3 and "demodulates" in line 5 which are inconsistent with the prior claim language. Appropriate correction is required.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 3. Claim 1, 2, 5, 6, and 10-12 are rejected under 35 U.S.C. 102(e) as being anticipated by Haynes (US Patent 6,118,822).

Regarding Claim 1, Haynes discloses a portable audio listening apparatus (Figures 1 and 2) comprising: means for generating an audio modulated signal modulated in a band in which a signal is transferred by using a human body of a single user (Col. 1, lines 34-40); a first electrode for outputting the generated audio modulated signal (24); a second electrode (36) for receiving the audio modulated signal transferred through the first electrode and then through the body of the single user, with a transmission path of the audio modulated signal not being coactively coupled to ground;

means for demodulating the audio modulated signal received by the second electrode; and means for generating audible sound according to the demodulated signal (Col. 1, lines 53-58); wherein said second electrode is attached to the audible sound generating means and configured to fit on or around at least one ear of the single user to direct the audible sound into the at least one ear of the single user.

Regarding Claim 2, Haynes discloses a portable audio listening apparatus (Figures 1 and 2) comprising: a portable transmission apparatus and a portable receiving apparatus electrically and mechanically structured as different units, the portable transmission apparatus comprising: means for generating an audio modulated signal modulated in a band in which a signal is transferred by using a human body of a single user (Col. 1, lines 34-40) and a first electrode (24) for outputting the generated audio modulated signal, and the portable receiving apparatus comprising: a second electrode (36) for receiving the audio modulated signal transferred through the first electrode and then through the body of the single user; means for demodulating the audio modulated signal received by the second electrode; and means for generating audible sound according to the demodulated signal (Col. 1, lines 53-58); wherein said second electrode is attach to the audible sound generating means and configured to fit on or around at least one ear of the single user to direct the audible sound into the at least one ear of the single user.

Regarding Claim 5, Haynes further discloses the transmission apparatus further comprises playback means for playing back an audio signal to be modulated and

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control means for controlling the playback means (Haynes discloses control for CD track or radio station selection, Col. 3, lines 3-4).

Regarding Claim 6, Haynes further discloses the playback means accommodates a detachable recording medium and reproduces an audio signal from the recording medium (Haynes discloses CD, i.e. recording medium, Col. 3, lines 3-4).

Regarding Claim 10, Haynes discloses a portable receiving apparatus comprising: an electrode for receiving an audio modulated signal transferred through a human body of a user; means for demodulating the audio modulated signal received by the electrode; and means for generating audible sound according to the demodulated signal; wherein the second electrode is attached to the audible sound generating means and configured to fit on or around the user's at least one ear to direct the audible sound into the user's at least one ear.

Regarding Claim 11, Haynes further discloses the second electrode, the demodulating means and the audible sound generating means are incorporated into a headphone (Figure 1, Col. 1, lines 56-57).

Regarding Claim 12, Haynes further discloses the second electrode is at least on ear pad on the headphone (Figure 1).

Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

⁽a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the

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invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

5. Claims 3 and 4 are rejected under 35 U.S.C. 103(a) as being unpatentable over Haynes as applied to claim 2 above in view of Coppersmith et al. (Hereinafter "Coppersmith") (US Patent 5,796,817).

Regarding Claims 3 and 4, Haynes discloses an apparatus as stated apropos of claim 2 above but does not disclose the transmission apparatus and receiving apparatus comprising means for storing individual authentication data. Coppersmith discloses a device for transmitting signals through the human body (Figure 2) including a transmitter module containing an ID number (i.e. authentication data) and a receiver module which comprises an authenticator which will inherently store received authentication data from transmitter to process the information. Coppersmith discloses the authentication data is used to prevent unauthorized parties to use devices (paragraph bridging columns 2 and 3). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to include authentication data to prevent unauthorized parties to use the transmission apparatus.

6. Claim 7 and 8 are rejected under 35 U.S.C. 103(a) as being unpatentable over Haynes.

Regarding Claim 7, Haynes discloses an apparatus as stated apropos of claim 2 above. Haynes further discloses a transmission apparatus receiving by an electrode (24) an audio modulated signal transferred from a predetermined another transmission apparatus (earphone) by using a human body, and demodulates the received audio

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modulated signal (Col. 2, line 66 through Col. 3, line 14). Haynes does not explicitly disclose the transmission apparatus comprises recording means but discloses the invention could be used for mobile speech recording (Col. 3, lines 15-23). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to incorporate recording means into the transmission apparatus to produce a speech recording system as disclosed by Haynes.

Regarding Claim 8, Haynes further discloses transmitting two different signals with two different carrier frequencies (Col. 5, lines 14-15).

Conclusion

7. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Naruki (US Patent 4,450,495) discloses a mobile speech recording unit that can be attached to the body of the user including jacks for a microphone and headphones.

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Justin Michalski whose telephone number is (703)305-5598. The examiner can normally be reached on 8 Hours, 5 day/week.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bill Isen can be reached on (703)305-4386. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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JIM

PRIMARY EXAMINER